



BASE MAP FROM U.S. GEOLOGICAL SURVEY
SANTA PAULA PEAK QUADRANGLE 1951
FILLMORE QUADRANGLE 1951

GEOLIC MAP OF TIMBER CANYON AREA VENTURA COUNTY, CALIFORNIA

BY
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SCALE IN FEET
0 1000 2000 3000

CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

From Bertholf, H.W., Geologic and structural analysis of the Timber Canyon area, Ventura Co., California, 1967.

TRUE NORTH
MAGNETIC NORTH
APPROXIMATE MEAN DECLINATION 1951

EXPLANATION

RECENT	Qal Alluvium Unconsolidated clay, silt, sand, gravel, and boulders; gray and brown.
PEISTOCENE	Qaf Alluvial Fan Unconsolidated clay, silt, sand, gravel, and boulders; larger clasts common, localized near canyon mouths.
PILOCENE	QT₁ QT₂ Terrace Deposits Unconsolidated clay, silt, sand, gravel and boulders of a variety of rock types; some bedding developed.
MIocene	Sougs Formation Silurite, sandstone and conglomerate; buff to red-brown, thick to thinly interbedded, lenticular, largely non-marine.
PILOCENE	Pico Formation Gray mudstone, gray to light-brown sandstone, and conglomerate thick to thinly interbedded with the mudstone; lenticular, marine.
TMS	Tms Santa Margarita Formation Choco-brown shale; some thin beds of sandstone in upper part, weather to dark soil and subdued topography, marine.
MIocene	Tmm Monterey Formation Gray siliceous shale and buff or gray dolomitic shale; platy weathering, thinly bedded, marine.
Eocene	Tet₁ Tet₂ Tet₃ Tet₄ Topa Topa Formation Arborescent conditions; shale partings throughout, marine. Unit 1: Unit 2: Unit 3: Unit 4:
	Lithologic Contact Boundary Solid line where definite, long dash where approximate, short dash where inferred, dotted where covered.
	U Fault Location Arrows and letters indicate stratigraphic separation Solid line where definite, long dash where approximate, short dash where inferred, dotted where covered.
	D Thrust Fault Location Hecklers on thrust plate, solid line where definite, long dash where approximate, short dash where inferred, dotted where covered.
	Strike and Dip of Beds True North North Overturn Overturned Joint Axial Plane Axial Overturned Axial Plane
	Qls Landslide Area
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	Recognized fault boundaries in selected section
	Random Samples
	Microfossil Sample Locations
	Abandoned Dry Well

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Plate 2
From Bertholf, 1967
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